

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. Please amend Claims 1-6, 8-10, 12, 14-21, 23, 25-26, 28-34, 38-39, and 41-42 as follows:

1. (Currently Amended) A method for processing a message received from a computational network, comprising:
 - providing a messaging system in an enterprise network, the messaging system comprising a messaging server and a plurality of client communication devices
 - 5 corresponding to a plurality of subscribers, each subscriber having a corresponding local message repository;
 - the messaging server receiving at least one network message addressed to a selected subscriber, the network message comprising a header and at least one of a body and an attachment;
 - 10 the messaging server parsing the header and the at least one of a body and an attachment to locate predetermined types of information, including at least one intended network message recipientan identifier associated with the selected subscriber;
 - the messaging server assembling the predetermined types of information in at least one notification message, the at least one notification message having a smaller byte
 - 15 size than the at least one network message; and
 - the messaging server forwarding the at least one notification message to the at least one intended network message recipientclient communication device associated with the selected subscriber.

2. (Currently Amended) The method of Claim 1, ~~wherein the at least one network message is received by a server, the at least one intended recipient is associated with a client of the server, and~~ further comprising:
 - the messaging server storing the at least one network message in a central
 - 5 message store in the server accessible by [[a]]the plurality of client communication

devices, wherein the central message store is remote from the client communication devices.

3. (Currently Amended) The method of Claim 1, further comprising:
the messaging server determining a value of a flag in the at least one network message, the flag value being set by the sender; and
when the state has a predetermined value, the messaging server resending the
5 notification message after a predetermined time interval has elapsed.

4. (Currently Amended) The method of Claim 2, further comprising:
the messaging server at least one of removing the message from the central message store and changing a presentation parameter associated with the at least one network message when the at least one network message is viewed by a ~~clients~~subscriber.

5. (Currently Amended) The method of Claim 1, wherein first and second sets of network messages are associated with a ~~clients~~subscriber, wherein the first and second sets of network messages are mutually exclusive, wherein each message in the first and second sets of network messages ~~[[have]]has~~ a corresponding predetermined
5 expiration time, wherein each message in the first set of network messages ~~[[have]]has~~ a common first expiration time, wherein each message in the second set of network messages ~~[[have]]has~~ a common second expiration time, and wherein the first and second expiration times are different.

6. (Currently Amended) The method of Claim 5, wherein at least some of the expiration times in the first and/or second sets of network messages are set by a sender
~~source~~ of the ~~at least one~~ each network message.

7. (Original) The method of Claim 6, wherein the at least some of the expiration times are in the "X" fields of the network messages corresponding to the messages in the first and/or second sets of network messages.

8. (Currently Amended) The method of Claim 5, further comprising:
the messaging server comparing the first expiration time of a network message in the first set of network messages with an actual age of the corresponding network message; and

5 when the expiration time of the network message at least one of equals and exceeds the actual age, the messaging server removing the corresponding network message from the first set of messages for all recipients for the corresponding network message.

9. (Currently Amended) The method of Claim 5, further comprising a third set of network messages corresponding to the ~~clients~~selected subscriber, wherein each message in the third set of network messages has no predetermined expiration time associated therewith.

10. (Currently Amended) The method of Claim 1, wherein in the parsing step the predetermined types of information comprise a type of ~~computational component~~
communication device associated with the ~~at least one intended network message~~
~~recipient~~selected subscriber and further comprising:

5 selecting a presentation parameter for the at least one network message based on the ~~computational component~~
communication device type, whereby a first type of communication device displays first information about the at least one network message
and a second type of communication device displays second information about the at least one network message.

11. (Original) The method of Claim 1, wherein in the parsing step the predetermined types of information comprise at least one of terms, groups of terms, semantical relationships, pragmatistical relationships, and syntactical relationships.

12. (Currently Amended) The method of Claim 1, wherein the at least one network message comprises at least one packet, wherein the network message is e-mail, and wherein each subscriber's mail box is in a message store local to the subscriber's client communication device.

13. (Original) The method of Claim 1, wherein the at least one notification message comprises a source address of the network message, a destination address of the network message, a number of intended recipients of the network message, a subject of the network message, a priority of the network message, a timestamp associated with the
5 network message, and a summary of the body of the network message.

14. (Currently Amended) The method of Claim 1, further comprising, after the forwarding step, the messaging server downloading the at least one network message to a client.

15. (Currently Amended) The method of Claim 1, further comprising;
when a user selects a notification message, the messaging server retrieving a network address of a nonclient ~~computer~~communication device associated with the
[[user]]subscriber; and
5 the messaging server forwarding the corresponding at least one network message to the nonclient ~~computer~~communication device.

16. (Currently Amended) The method of Claim 15, wherein the nonclient ~~computer~~communication device is at least one of a pager, a PDA, a wireless telephone, a WAP, and an SMS device.

17. (Currently Amended) A system for processing a message received from a computational network, comprising:

a plurality of client communication devices in an enterprise network, the client communication devices corresponding to a plurality of subscribers, each subscriber

5 having a corresponding local message repository; and

a messaging server serving the enterprise network comprising:

means for receiving at least one network message, the network message comprising a header and at least one of a body and an attachment;

means for parsing the header and the at least one of a body and an
10 attachment to locate predetermined types of information, including at least one intended network message recipient who is a subscriber;

means for assembling the predetermined types of information in at least one notification message, the at least one notification message having a smaller byte size than the at least one network message; and

15 means for forwarding the at least one notification message to the at least one intended network message recipient.

18. (Currently Amended) The system of Claim 17, ~~wherein the receiving means is a server, the at least one intended recipient is associated with a client of the server, and further comprising~~ wherein the messaging server further includes:

a central message store in the server for storing the at least one network message,
5 wherein the central message store ~~in the server~~ is accessible by ~~[[a]]~~ the plurality of client communication devices, wherein the central message store is remote from the client communication devices.

19. (Currently Amended) The system of Claim 17, ~~further comprising~~ wherein the messaging server further includes:

- means for determining a value of a flag in the at least one network message, the value of the flag being set by the sender; and
- 5 when the state has a predetermined value, means for resending the notification message after a predetermined time interval has elapsed.

20. (Currently Amended) The system of Claim 17, wherein first and second sets of network messages are associated with a client, wherein the first and second sets of network messages are mutually exclusive, wherein each message in the first and second sets of network messages ~~[[have]]~~has a corresponding predetermined expiration time,
- 5 wherein each message in the first set of network messages ~~[[have]]~~has a common first expiration time, wherein each message in the second set of network messages ~~[[have]]~~has a common second expiration time, and wherein the first and second expiration times are different.

21. (Currently Amended) The system of Claim 20, wherein at least some of the expiration times in the first and/or second sets of network messages are set by a ~~source~~ sender of the at least one network message.

22. (Original) The system of Claim 21, wherein the at least some of the expiration times are in the "X" fields of the network messages corresponding to the messages in the first and/or second sets of network messages.

23. (Currently Amended) The system of Claim 20, wherein the messaging server further comprisingincludes:
- means for comparing the first expiration time of a network message in the first set of network messages with an actual age of the corresponding network message; and
- 5 when the expiration time of the network message at least one of equals and exceeds the actual age, means for removing the corresponding network message from the first set of messages for all recipients for the corresponding network message.

24. (Original) The system of Claim 20, further comprising a third set of network messages corresponding to the client, wherein each message in the third set of network messages has no predetermined expiration time associated therewith.

25. (Currently Amended) The system of Claim 17, wherein the predetermined types of information comprise a type of ~~computational component~~ communication device associated with the at least one intended network message recipient and wherein the messaging server further comprising includes:

5 means for selecting a presentation parameter for the at least one network message based on the ~~computational component~~ communication device type, whereby a first type of communication device displays first information about the at least one network message and a second type of communication device displays second information about the at least one network message.

26. (Currently Amended) The system of Claim 17, wherein the predetermined types of information comprise at least one of terms, groups of terms, semantical relationships, pragmatcal relationships, and syntactical relationships, wherein the network message is e-mail, and wherein each subscriber's mail box is in a message store
5 local to the subscriber's client communication device.

27. (Original) The system of Claim 17, wherein the at least one notification message comprises a source address of the network message, a destination address of the network message, a number of intended recipients of the network message, a subject of the network message, a priority of the network message, a timestamp associated with the
5 network message, and a summary of the body of the network message.

28. (Currently Amended) The system of Claim 17, wherein the messaging server further comprising includes;

when a user selects a notification message, means for retrieving a network address of a nonclient ~~computer~~communication device associated with the [[user]]subscriber ;

5 and

second means for forwarding the corresponding at least one network message to the nonclient ~~computer~~communication device.

29. (Currently Amended) The system of Claim 28, wherein the nonclient ~~computer~~communication device is at least one of a pager, a PDA, a wireless telephone, a WAP, and an SMS device.

30. (Currently Amended) A system for processing a message received from a computational network, comprising:

a plurality of client communication devices in an enterprise network, the client communication devices corresponding to a plurality of subscribers, each subscriber

5 having a corresponding local message repository; and

a messaging server serving the enterprise network and comprising:

an input port configured to receive at least one network message to a common set of recipients, the network message comprising a header and at least one of a body and an attachment;

10 a group assistant configured to parse the header and the at least one of a body and an attachment to locate predetermined types of information, including at least one intended network message recipient who is a subscriber; and

a message notification agent configured to assemble the predetermined types of information in at least one notification message, the at least one notification
15 message omitting at least some of the information in the at least one network message, and to forward the at least one notification message to the at least one intended network message recipient.

31. (Currently Amended) The system of Claim 30, wherein the ~~input port is part of a server, the at least one intended recipient is associated with a client of the server, and messaging server~~ further ~~comprising~~includes:
a central message store in the server configured to store the at least one network message, wherein the central message store in the server is accessible by ~~[[a]]~~the plurality of client communication devices, wherein the central message store is remote from the client communication devices.

32. (Currently Amended) The system of Claim 30, wherein the messaging server further ~~comprising~~includes:
a message manager configured to determine a value of a flag in the at least one network message, the value of the flag being set by the sender, and, when the state has a predetermined value, to resend the notification message after a predetermined time interval has elapsed.

33. (Currently Amended) The system of Claim 30, wherein first and second sets of network messages are associated with a client, wherein the first and second sets of network messages are mutually exclusive, wherein each message in the first and second sets of network messages ~~[[have]]~~has a corresponding predetermined expiration time, wherein each message in the first set of network messages ~~[[have]]~~has a common first expiration time, wherein each message in the second set of network messages ~~[[have]]~~has a common second expiration time, and wherein the first and second expiration times are different.

34. (Currently Amended) The system of Claim 33, wherein at least some of the expiration times in the first and/or second sets of network messages are set by a ~~source~~ sender of the at least one network message.

35. (Original) The system of Claim 34, wherein the at least some of the expiration times are in the "X" fields of the network messages corresponding to the messages in the first and/or second sets of network messages.

36. (Original) The system of Claim 33, wherein the message manager is configured to compare the first expiration time of a network message in the first set of network messages with an actual age of the corresponding network message; and, when the expiration time of the network message at least one of equals and exceeds the actual
5 age, to remove the corresponding network message from the first set of messages for all recipients for the corresponding network message.

37. (Original) The system of Claim 33, further comprising a third set of network messages corresponding to the client, wherein each message in the third set of network messages has no predetermined expiration time associated therewith.

38. (Currently Amended) The system of Claim 30, wherein the predetermined types of information comprise a type of ~~computational component communication device~~ associated with the at least one intended network message recipient and wherein the messaging server further comprising includes a message manager configured to select a
5 presentation parameter for the at least one network message based on the ~~computational component communication device~~ type, whereby a first type of communication device displays first information about the at least one network message and a second type of communication device displays second information about the at least one network message.

39. (Currently Amended) The system of Claim 30, wherein the predetermined types of information comprise at least one of terms, groups of terms, semantical relationships, pragmatcal relationships, and syntactical relationships, wherein the

- network message is e-mail, and wherein each subscriber's mail box is in a message store
5 local to the subscriber's client communication device.

40. (Original) The system of Claim 30, wherein the at least one notification message comprises a source address of the network message, a destination address of the network message, a number of intended recipients of the network message, a subject of the network message, a priority of the network message, a timestamp associated with the
5 network message, and a summary of the body of the network message.

41. (Currently Amended) The system of Claim 30, further comprising; when a user selects a notification message, the group assistant is configured to retrieve a network address of a nonclient ~~computer~~communication device associated with the
[[user]]subscriber and forward the corresponding at least one network message to the
5 nonclient ~~computer~~communication device.

42. (Currently Amended) The system of Claim 41, wherein the nonclient ~~computer~~communication device is at least one of a pager, a PDA, a wireless telephone, a WAP, and an SMS device.